

20040205.qrp v03_n187.qrl.20040205

Date: Thu, 5 Feb 2004 19:03:07 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 3187

QRP-L Digest 3187

Topics covered in this issue include:

- 1) [167044] Re: monitoring nasa..
by "Thom R. Lacosta" <lacosta@bcpl.net>
- 2) [167045] Re: monitoring nasa..
by "Mike Yetsko" <myetsko@insydesw.com>
- 3) [167046] RE: PIC-EL #2 is here
by "KennyMac" <killmodell@earthlink.net>
- 4) [167047] Re: One more time...
by kenneth hoglund <hoglund@wfu.edu>
- 5) [167048] Portable poles
by ARDUJENSKI@aol.com
- 6) [167049] ft-920 question
by "Jade's Tech Services" <kw3u@warwick.net>
- 7) [167050] RE: [qrp-l] One more time...
by "Nick Kennedy" <wa5bdu@tcainet.net>
- 8) [167051] New battery: 2 AA batts drive mini car 1200meters
by Mr Mike Caughran <kl7r@yahoo.com>
- 9) [167052] WTB DSW-II
by "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
- 10) [167053] Norcal/Redhot 20 or Norcal/Redhot 40 Schematic Needed
by "Steve" <sswhite@mchsi.com>
- 11) [167054] Re: monitoring nasa..
by "tmyers" <tmyers@academicplanet.com>
- 12) [167055] Fw: MAGS
by "Robert Seymour" <bobsey@ozarkisp.net>
- 13) [167056] PTS-160 (Was HP-160 synthesizer)
by "Jim Sheldon" <w0eb@cox.net>
- 14) [167057] Re: Norcal/Redhot 20 or Norcal/Redhot 40 Schematic Needed
by Steve Smith <sigcom@juno.com>
- 15) [167058] Re: monitoring nasa..
by "Steve McDonald" <jsm@gulfislands.com>
- 16) [167059] Re: monitoring nasa..
by Dan Harriman <kc5gxl@sbcglobal.net>
- 17) [167060] Re: Black Widow Uses?
by ARDUJENSKI@aol.com
- 18) [167061] Re: Transmitting on the Fox frequency - long, pontifical
by "KXBill" <KXB-1@cox.net>
- 19) [167062] NEQRP CW Net, Thursday, 5 February 04, 08:30 PM EST, 3.566 MHz

- by Chuck Ludinsky <cludinsky@comcast.net>
- 20) [167063] RE: Elmer 160: PIC-EL
by "Makai" <makai@makai.org>
- 21) [167064] Was: monitoring nasa..now a question
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 22) [167065] Re: One more time...
by John Sielke <jsielke@pobox.com>
- 23) [167066] February Spartan Sprint Results
by "John Huffman" <hjohnc@core.com>
- 24) [167067] Re: Floating Point Libraries for PIC? Amtel?
by "Ian Wilson" <ianmwilson@earthlink.net>
- 25) [167068] RE:First offer of double sided cuircuit board matrial
by Ke9xq@aol.com
- 26) [167069] Re: Transmitting on the Fox frequency - long, pontifical
by Lloyd Lachow <llachow@yahoo.com>
- 27) [167070] VE3DNL Marker generator kit
by "john gabbard" <johngabbard@usintouch.com>
- 28) [167071] RE Second offer on circuit board material
by Ke9xq@aol.com
- 29) [167072] Re: PIC-EL
by "Bruce & Bonnie Rattray" <rattray@accesscomm.ca>
- 30) [167073] MPLAB/CDROMs - now can accept PayPal
by "Brian Riley (maillist)" <n1bq_list@wulfdcn.org>
- 31) [167074] Re: Manual -- FT-470 (Yaesu 2-band handheld)
by "Bill Linn" <wlinn@smgazette.com>
- 32) [167075] Re: monitoring nasa..
by "Steve McDonald" <jsm@gulfislands.com>
- 33) [167076] RE: AT Sprint for Sale
by "Gene Sailsbury" <gsailsbury@mobil1.net>
- 34) [167077] FS: K1 with options
by "Steve Zumbrun" <zumbruns@evertek.net>
- 35) [167078] Contest! Trainer goes Generic
by "Ray Goff" <radioham@gmx.co.uk>
- 36) [167079] -107DB
by Karl Larsen <k5di@zianet.com>
- 37) [167080] Re: -107DB
by "Noyce, Bill" <william.noyce@hp.com>
- 38) [167081] RE: Portable Radial Ideas?
by "Steve Blary" <steve@eclipsecat.com>
- 39) [167082] Re: Transmitting on the Fox frequency - long, pontifical
by John Sielke <jsielke@pobox.com>
- 40) [167083] Elmer 160: PIC-EL -- Manual, Section 11
by "John Bohnert" <johnb@elmhurst.edu>
- 41) [167084] Swapmeet Station
by ARDUJENSKI@aol.com
- 42) [167085] Build a DDS Daughhtercard for handicapped ham?
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 43) [167086] Circuit Board offer update, and appologies

- by Ke9xq@aol.com
- 44) [167087] The Autek WM1 SWR Meter
by "Jason Hsu" <jhs001@heronetwork.com>
- 45) [167088] Re: Swapmeet Station
by Curt Milton <wb8yyy@yahoo.com>
- 46) [167089] How to calculate DBmW from volts
by Karl Larsen <k5di@zianet.com>
- 47) [167090] BPL in Canada
by "Noyce, Bill" <william.noyce@hp.com>
- 48) [167091] Re: -107DB
by "George, W5YR" <w5yr@att.net>
- 49) [167092] Re: Transmitting on the Fox frequency - long, pontifical
by "palmer_t" <ThomasPalmer@colliergov.net>
- 50) [167093] Re: PIC-EL and FPP loader
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 51) [167094] Elecrafft K2 will be coming to my QTH
by "palmer_t" <ThomasPalmer@colliergov.net>
- 52) [167095] Magazine Day
by Lee Mairs <lmairs@direcway.com>
- 53) [167096] RE: How to calculate DBmW from volts
by Adam Farson <farson@shaw.ca>
- 54) [167097] February Spartan Sprint Results - Revised
by "John Huffman" <hjohnc@core.com>
- 55) [167098] Easier way to get -107
by Karl Larsen <k5di@zianet.com>
- 56) [167099] Re: Build a DDS Daughhtercard for handicapped ham?
by "George Heron N2APB" <n2apb@clearviewcatv.net>
- 57) [167100] ELMER 160: Power Supplies for PIC-EL
by Garey Barrell <k4oah@mindspring.com>
- 58) [167101] Re: Elmer 160: PIC-EL -- Manual, Section 11
by "Lew Paceley" <lew@paceley.com>
- 59) [167102] Power Supply Noise
by dave <dave@dpomeroy.com>
- 60) [167103] New QRPer and Pixie
by Shawn Qrp <shawnqrp@yahoo.com>
- 61) [167104] Transformer Rating
by "Tom" <kf4yyd@adelphia.net>
- 62) [167105] kd1jv freq. counter wanted
by "john gabbard" <johngabbard@usintouch.com>
- 63) [167106] Re: Transformer Rating
by John Oppenheimer <john@KN5L.net>
- 64) [167107] QRPTTF 2003 Results Lost
by "Doug Hendricks" <ki6ds@dpol.net>
- 65) [167108] AUTEK Paddle
by Ed Tanton <n4xy@earthlink.net>
- 66) [167109] Re: Transformer Rating
by "George, W5YR" <w5yr@att.net>
- 67) [167110] Re: QRPTTF 2003 Results Lost

by "n3drk" <n3drk@triad.rr.com>
68) [167111] Re: New QRPer and Pixie
by "Lew Paceley" <lew@paceley.com>
69) [167112] Re: Elmer 160: PIC-EL -- Manual, Section 11
by "Craig Johnson" <cbjohns@cbjohns.com>
70) [167113] Re: QRPTTF 2003 Results Lost
by John Sielke <jsielke@pobox.com>
71) [167114] Re: QRPTTF 2003 Results Lost
by "Lee Hopper" <leehopp@msn.com>
72) [167115] RE Bounced mail, was Circuit board material
by Ke9xq@aol.com

Date: Wed, 4 Feb 2004 18:03:51 -0500 (EST)
From: "Thom R. Lacosta" <lacosta@bcpl.net>
To: Howard Kraus <K2UD@adelphia.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167044] Re: monitoring nasa..
Message-ID: <Pine.GS0.4.58.0402041802540.20708@mail>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 4 Feb 2004, Howard Kraus wrote:

>
> It would appear that they were shooting the moon. Ouch!

Which is more acceptable than mooning the shoot. (D, R and G)

Thom

<http://www.baltimorehon.com/> Home of the Baltimore Lexicon
<http://www.tlchost.net/> Web Hosting as low as 3.49/month

Date: Wed, 4 Feb 2004 18:30:18 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <jsm@gulfislands.com>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167045] Re: monitoring nasa..
Message-ID: <00bc01c3eb76\$e8c070a0\$0200a8c0@charter.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Sergio - to the best of my knowledge the moon missions used VHF FM
(around
> 230MHz) while in earth orbit. Once on the way to the moon and while at
the
> moon they used S-band (2GHz) way up in the microwave band. Ground
control
> tracked the moon with large dishes. When on the lunar surface the
astronauts
> used a vhf link back to the lander which rebroadcast on S-band back to
> earth. It was most interesting listening to the ~ 2 second delay between
> controllers asking a question and waiting for responses. They often
found
> themselves talking over each other. Many VHF 'rs with big dishes were
able
> to track the lunar module on it's way to the moon (via UHF beacon
onboard).
> I believe only one VHF'r (Paul, W4HKK, I think) actually made some
> recordings from the surface, I think of the VHF link back to the module.
It
> was all very exciting stuff and signals were always very strong.
>
> Steve / VE7SL

I remember one of the 'issues' with Apollo 13 was when the command
module was powered down, they had to use the lunar lander. The
frequency the lander used was the same as the last stage of the Saturn
booster telemetry channel, which was kept active so it could provide
information until it crashed into the moon and set off seismic sensors
from
an earlier Apollo flight.

Just another one of the 'gotchas' that would NEVER EVER happen in
real life, like the square pegs and round holes on the lithium
canisters...

Date: Wed, 4 Feb 2004 18:41:46 -0500
From: "KennyMac" <killmodell@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [167046] RE: PIC-EL #2 is here
Message-ID: <000a01c3eb78\$74803cf0\$f7a1b83f@toledopc.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Came home to find a present in the mailbox....

Saweeeeeeet

Ken
KC8YYC

-----Original Message-----

From: Jeff Logullo [mailto:logullo@charter.net]

Sent: Wednesday, February 04, 2004 5:28 PM

To: kennymac

Subject: Re: PIC-EL #2 is here

Hey-hey! Mine came today! How about you?

kennymac wrote:

> Still waiting in Michigan too :(

>

> Ken

> KC8YYC

>

>

>

>

> ----- Original Message -----

> From: "Jeff Logullo" <logullo@charter.net>

> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

> Sent: Tuesday, February 03, 2004 9:03 PM

> Subject: Re: PIC-EL #2 is here

>

>

>

>>Now John has two, while I still have none. No fair!

>>

>>Still Waiting in Missouri,

>>NOMII

>>

>>John wrote:

>>

>>>George and the gang,

>>>The second PIC-EL arrived today. Strange that they got

>

> separated

>

>>>but they did.

>
>
>

Date: Wed, 04 Feb 2004 19:11:18 -0500
From: kenneth hoglund <hoglund@wfu.edu>
To: jsielke@pobox.com,
 Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [167047] Re: One more time...
Message-ID: <40218A26.5060503@wfu.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

John and the List--

Sorry but with all the MyDoom stuff hitting the university's system, our email has been up and down. I didn't see an earlier message, but it sounds like you are referring to the Greater Piedmont QRP Club's "Rock Mite Flea-fight" last year. The year before was the "Rock Around the Clock" event, and both were held on Straight Key Nights.

It was the sense of the club members and our "special" stations (one got mega-points for working them) that SKN created loud, crowded bands, less than optimal conditions for making QSO's while rock-bound. So for 2004 we intend to move the date, but haven't landed on a specific one at this point.

Any favorite dates out there that won't conflict with some major (add name of contest/event) that will overwhelm our little rocks? We're open to suggestions.

73,

Ken KG4FGC

John Sielke wrote:

> I'll try this question. No answers before.
>
> Remember last year we had that fun little
> contest for "Minimal QRP" rigs, like Rockmites, Pixies, TT2s, 49ers, etc.?
> Anyway, I forgot who put that on. Also, any plans to do it again? It was a
> blast. Seems like a good winter diversion...
>
> John W2AGN

>
>
>

Date: Wed, 4 Feb 2004 19:26:57 EST
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [167048] Portable poles
Message-ID: <64.3a26a864.2d52e7d1@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

There has been some confusion over the SD-20 and the Black Widow. They are the same but different (smile). Sort of like Ford vs Chevy. My preference is the Black Widow although my antenna arsenal consists of both brands. I figure I would just list some of the familiar poles used today and a few sources.

Alan KB7MBI
Woodinville, WA

BLACK WIDOW
http://www.northamericancrappie.com/bnm_poles1.htm

<
<http://www.cjcollectiblegifts.com/Bass-Pro/Bnm-Black-Widow-Crappie-Rod-Black-Widow-Crappie-Rod-Extends-To-20-5-Piece.html> >

SD-20 TELESCOPING POLES
-----<http://877icefish.safeshopper.com/94/cat94.htm?213>

-----WorldRadio---<http://www.wr6wr.com/> (see PRODUCTS)

WONDERPOLES
-----<http://www.wonderpole.com/>

HEAVY DUTY FIBERGLAS POLES
-----<http://www.geodatasys.com/pole3.htm>

PAINT POLES
-----<http://www.mrlongarm.com/poles.html>

CABELA POLE
(This is the one that is 14ft and collapses to 15 inches)

http://www.cabelas.com
Item: IE-115800

Date: Wed, 4 Feb 2004 19:32:26 -0800
From: "Jade's Tech Services" <kw3u@warwick.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: "jim eshelman" <jce0@Lehigh.EDU>
Subject: [167049] ft-920 question
Message-ID: <010c01c3eb98\$ade18420\$06a406d8@f5b712>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all:in one of my qrp rigs; the ft-920 ; I recently noticed that the S
meter(digital bars)
was always showing 2 bars. My troubleshooting involved the following with no
changes.

changed bands, modes, all controls(sqelch-etc), unplugged keys,
disconnected antenna
from jack, I didn't change power supply. operation is fine xmt and rcv all
modes.

not having service manual I am stuck, its only annoying but I would like to
address it.

Oh I did do the mod some months ago(green wire cut and input a code on
pwr-up)
for the 60 meter band which worked fine.

Hoping someone might have the answer on this. I did send yaesu an email
but
no response.

Tnx Jim kw3u

ps I think I solved my posting problem, under format, rich text(html) was
marked, changed
to plain text. Tnx Jim n3vxi for tip.

Date: Wed, 4 Feb 2004 18:56:16 -0600
From: "Nick Kennedy" <wa5bdu@tcainternet.com>
To: <jsielke@pobox.com>,
 "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167050] RE: [qrp-1] One more time...
Message-ID: <000b01c3eb82\$dc1586e0\$0400000a@wa5bdu>
MIME-Version: 1.0

Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Don't know who did the first one, but I agree it would be fun to repeat.
Give me a chance to pull the Pixie and various Tuna-Tins / MRX-40s out
of the closet.

72--Nick, WA5BDU

-----Original Message-----

From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU] On Behalf
Of John Sielke

Remember last year we had that fun little
contest for "Minimal QRP" rigs, like Rockmites, Pixies, TT2s, 49ers,
etc.?
Anyway, I forgot who put that on. Also, any plans to do it again? It was
a
blast. Seems like a good winter diversion...

John W2AGN

Date: Wed, 4 Feb 2004 16:59:07 -0800 (PST)
From: Mr Mike Caughran <kl7r@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [167051] New battery: 2 AA batts drive mini car 1200meters
Message-ID: <20040205005907.70671.qmail@web40409.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

<http://neasia.nikkeibp.com/wcs/leafCID=onair/asabt/news/288596>

and

<http://www.eetimes.com/sys/news/0EG20040129S0018>

Do you Yahoo!?
Yahoo! SiteBuilder - Free web site building tool. Try it!
<http://webhosting.yahoo.com/ps/sb/>

Date: Wed, 4 Feb 2004 20:04:25 -0500
From: "Brent Sutphin WB4X" <bsutphin@triad.rr.com>
To: <qrp-l@Lehigh.EDU>
Subject: [167052] WTB DSW-II
Message-ID: <006501c3eb83\$ffa28530\$9e6d1f18@BandE>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I would like to buy a Small Wonder Labs DSW-II 40 meter kit. If you have one for sale please contact me.

72
Brent WB4X

Date: Wed, 4 Feb 2004 19:06:54 -0600
From: "Steve" <sswhite@mchsi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167053] Norcal/Redhot 20 or Norcal/Redhot 40 Schematic Needed
Message-ID: <008e01c3eb84\$588cf8b0\$c801a8c0@workstation>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Can someone point me to a location where I can get a schematic for the Redhot 20 or Redhot 40 transceiver? I want to take a shot at building up one of these Manhattan style.

Steve NU0P

Date: Wed, 4 Feb 2004 19:09:54 -0600
From: "tmyers" <tmyers@academicplanet.com>
To: <leon_heller@hotmail.com>,
 "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [167054] Re: monitoring nasa..
Message-ID: <014301c3eb84\$c4ca2b60\$1700a8c0@newkid>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

In the Clear Lake, TX area (Mission Control Houston) the traffic is pumped into the local two meter repeater in real-time. It is really kind of neat the way they do it. You get a much better picture that what you get on the news. I live just out of the coverage area, but I have been in that area when that was going on.

73,

Terry, KQ5U
Spring, Texas

----- Original Message -----

From: Leon Heller <leon_heller@hotmail.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 11:45
Subject: Re: monitoring nasa..

>

> ----- Original Message -----

> From: "Sergio T. Ruiz" <sergio@philway.com>
> To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
> Sent: Wednesday, February 04, 2004 5:20 PM
> Subject: OT: monitoring nasa..

>

>

> >

> > i was wondering ... since i was only a few months old at the time,
> and had

> > no radios...

> >

> > did people monitor the goings on during the moon landings and moon
> orbits

> > directly via home based receivers? i.e. not the re broadcasted

> > transmissions, but the real things...

>

> I don't remember anyone doing it.

>

> Some schoolkids and their teacher (Kettering Grammar School, UK)
> monitored

> the first Sputnik satellites and got a lot of media coverage at the
> time.

>

> Leon

> --
> Leon Heller, G1HSM
> Email: aqzf13@dsl.pipex.com
> My low-cost Philips LPC210x ARM development system:
> http://www.geocities.com/leon_heller/lpc2104.html

Date: Wed, 4 Feb 2004 19:17:25 -0600
From: "Robert Seymour" <bobsey@ozarkisp.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [167055] Fw: MAGS
Message-ID: <009c01c3eb85\$d12f1f90\$6103db40@WOLK>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

WOW! Wish I had enough for all but unless something happens to change it,
all the mags are going to K3PEG.
72/73 Bob

----- Original Message -----
From: "Larry Przyborowski" <k3peg@comcast.net>
To: <bobsey@ozarkisp.net>
Sent: Wednesday, February 04, 2004 16:19 PM
Subject: Re: MAGS

> Hi Bob,
> I'd like to take you up on that offer, please.

>
> 73, Larry

>
> ----- Original Message -----
> From: "Robert Seymour" <bobsey@ozarkisp.net>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Wednesday, February 04, 2004 4:44 PM
> Subject: MAGS

>
>
> > Running out of room here so need to find a new home for some QRP
> magazines.

> >
> > Shipping costs only for the following:

> >

book or if anyone has the book on it, I need the GPIB programming commands for it.

It's real accurate and covers 100 KHz to 160 MHz in 1 Hz steps. Output adjustable and metered from .2 to 1.0 Volt RMS into a 50 ohm load. I thought it was 1 V P-P but found the specs and its RMS (+3 to +13 Dbm). It came out of a scrapped GE MRI unit from a hospital.

Jim, WOEB
Wichita, KS

Date: Wed, 4 Feb 2004 17:33:32 -0800
From: Steve Smith <sigcom@juno.com>
To: sswhite@mchsi.com
Cc: qrp-1@Lehigh.EDU
Subject: [167057] Re: Norcal/Redhot 20 or Norcal/Redhot 40 Schematic Needed
Message-ID: <20040204.173333.-16276257.0.sigcom@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Like Jim Larsen sez "Google is your friend". :

"red hot 20 schematic"

73.....Steve Smith WB6TNL
Oxnard, CA USA
"Snort Rosin"

On Wed, 4 Feb 2004 19:06:54 -0600 "Steve" <sswhite@mchsi.com> writes:
> Can someone point me to a location where I can get a schematic for
> the
> Redhot 20 or Redhot 40 transceiver? I want to take a shot at
> building up one
> of these Manhattan style.
>
> Steve NU0P
>
>
>

The best thing to hit the Internet in years - Juno SpeedBand!
Surf the Web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 4 Feb 2004 17:22:53 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167058] Re: monitoring nasa..
Message-ID: <003501c3eb88\$e71b1fe0\$d91179d1@jms>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>they pronounced the moon landing a hoax

...hard to believe that some are still espousing this crazy notion (but let's not go there!). What an insult to the men that put their lives on the line.

Steve / VE7SL

Date: Wed, 04 Feb 2004 19:50:32 -0600
From: Dan Harriman <kc5gxl@sbcglobal.net>
To: qrp-1@Lehigh.EDU
Subject: [167059] Re: monitoring nasa..
Message-ID: <6.0.1.1.1.20040204193951.02dc9800@pop.sbcglobal.yahoo.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello Terry et al;

I used to commute from Orange to 1960 & I 45 every day. (For you that are not from the Houston area, that is about a 100 mile trip one way). I happened to listen to the shuttle on the 147.760? repeater while I was driving down Hwy 90 one day. The shuttle had just undocked from the ISS and was in it's own orbit returning from earth.

The person on the shuttle doing the talking mentioned that they were just coming up on the California coast. They would be going over San Francisco and that in about 15 minutes they would be going over Chicago!!

Talk about moving! That was better than 5 miles a second. It was going so fast that I believe that if I was standing on the side of its flight path and could see it coming towards me that for a few seconds as it approached me and then went away from me, it would literally become invisible.

73/72,

Dan Harriman
Orange, Texas

At 19:09 02/04/2004, you wrote:

>In the Clear Lake, TX area (Mission Control Houston) the traffic is
>pumped into the local two meter repeater in real-time. It is really
>kind of neat the way they do it. You get a much better picture that
>what you get on the news. I live just out of the coverage area, but I
>have been in that area when that was going on.

>

>73,

>

>Terry, KQ5U

>Spring, Texas

>

=====
Proud member of QRP-ARCI # 9126; QRP-L # 431; ARS # 25; FISTS # 1572;
QRPP-1 # 702; 1010 Int.; FP # 555; SOC # 569; NETXQRP # 45; ARRL; ARRL-VE;
AMQRP; RU-QRP # 43; MQFD # 5; grid EM30cc

-

If at first you don't succeed, maybe you shouldn't try
sky-diving! dit dit

=====

Date: Wed, 4 Feb 2004 21:07:03 EST
From: ARDUJENSKI@aol.com
To: redmen1969@optonline.net, qrp-1@lehigh.edu
Subject: [167060] Re: Black Widow Uses?
Message-ID: <3d.3a452456.2d52ff47@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

In a message dated 2/4/04 17:50:34 Pacific Standard Time,
redmen1969@optonline.net writes:
I believe this is the pole I'm using for my St Louis Vertical -- is there

something else I can be using it for, that I'm missing?

Tom

Oh my God yes. I use them for the following set ups:

- St. Louis Vertical
- St. Louis Loop
- Phased verticals
- Parasitic verticals
- Rotatable dipoles
- Rotatable Vee or Delta Loops
- Supports for a 20ft high horizontal loop
- Spreaders for a vertical loop on a DK9SQ
- Inverted Half Square (rotatable)
- Inverted vee
- An L antenna
- Inverted-L antenna
- Endfed Inverted vee
- 10m vertical dipole support

Depending on the conditions and objectives I have these ready to go in any of the above configurations. Sort of like golf in having a club for a particular shot.

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 4 Feb 2004 19:28:13 -0700
From: "KXBill" <KXB-1@cox.net>
To: <llachow@yahoo.com>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167061] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <009501c3eb8f\$b4cb9f40\$7fac6d44@ph.cox.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

"And certainly,
it's appropriate for the Fox to ID at least once every
ten minutes or less."

Lloyd, I agree with you and I believe the Fox must also ID at the end of each QSO. Please flame me if I'm wrong.
Cheers to all

KXBill&&

----- Original Message -----

From: "Lloyd Lachow" <llachow@yahoo.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Sent: Wednesday, February 04, 2004 11:21

Subject: Re: Transmitting on the Fox frequency - long, pontifical

Date: Wed, 04 Feb 2004 21:46:27 -0500

From: Chuck Ludinsky <cludinsky@comcast.net>

To: neqrp@jona1.net, qrp-1@lehigh.edu

Subject: [167062] NEQRP CW Net, Thursday, 5 February 04, 08:30 PM EST, 3.566 MHz

Message-ID: <4021AE83.9070101@comcast.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii; format=flowed

Content-Transfer-Encoding: 7bit

The New England QRP Club's 80M CW net, WQ1RP, will meet again on Thursday, 5 February 2004, at 8:30 PM EST (01:30Z, 6 Feb 04) on or near 3.566 MHz. All hams are welcome. Net control operator this week will be Chuck, K1CL, operating from Chelmsford, MA.

Considerably better conditions last week than what we've had the past few weeks. As a result, we had a total of nine participants:

W2SH Charles Millington, NJ 599

WA8BXN Mike nr Cleveland, OH 579

K1YW Greg Leominster, MA 589

N1CUU Carl nr Gettysburg, PA 599

N1EI Charlie Mansfield Center, CT 599

WB1HBE John Chelmsford, MA 599

WB1HGA Ron Fall River, MA 589

VE3ELA Ken Midland, ON 559

K1CL Chuck Chelmsford, MA net op

Thanks to everyone for checking in. Hope to hear all of you again this week.

72 DE K1CL,

Chuck

Date: Wed, 4 Feb 2004 21:48:20 -0500
From: "Makai" <makai@makai.org>
To: <qrp-1@Lehigh.EDU>
Subject: [167063] RE: Elmer 160: PIC-EL
Message-ID: <JBEMKOJGCGDOEPAJFAEBEEFFCCAA.makai@makai.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Gang,

Pic El has arrived in the Bahamas so yours can't be too far behind...

Thanks to everyone whose time and effort have produced this very fine kit... Looking forward to melting some solder over the weekend...

Hope to make it out for FYBO this Sat... Now where did I put that sun screen ??? Take care and have fun... 8^)

72 - Bruce - KL7H/C6A

Staniel Cay, Exuma
Bahama Is.

Outgoing mail is certified Virus Free.
Checked by AVG anti-virus system (<http://www.grisoft.com>).
Version: 6.0.573 / Virus Database: 363 - Release Date: 1/28/2004

Date: Wed, 4 Feb 2004 21:56:13 -0500
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167064] Was: monitoring nasa..now a question
Message-ID: <001801c3eb93\$9e28f4f0\$10cf4b0c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Back when I was a kid, I used to tape the audio from the TV coverage that CBS broadcast. Somewhere in the house I have a bunch of cassette

tapes of Apollo 12, 13, 14, 15, 16 & 17 - featuring the commentary and word pictures painted by Walter Cronkite and Wally Schirra.

That was before I got involved in Ham radio. For the Apollo program, I don't think outside of the Houston area that you heard much on any 2 Meter repeaters. When the Shuttle program was "new and exciting" (like it's still not exciting !!!) it seemed there were 2 meter repeaters rebroadcasting Shuttle audio all over the place. Doesn't seem like anyone does it anymore.

So I ask the question. Next year (or later this year ???) when the Shuttle program resumes, will we be able to hear re-broadcasting of Shuttle audio perhaps by tuning in the various NASA affiliated 2 meter repeaters (such as WA3NAN) via Echolink? Do THEY still do it anymore?

73 de Larry W2LJ - Vivat Morse!

W2LJ@arrl.net
<http://www.qsl.net/w2lj>

ARRL Lifemember QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612 QRPp-I #759
ARS #1528 --- K1 #1647 --- AmQRP, CQC #746

Date: Wed, 04 Feb 2004 22:06:54 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [167065] Re: One more time...
Message-ID: <4021B34E.1080206@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Seems like the one I remember last year was in 2 parts, one on 20M then one on 40M. May have been in January, but I have really forgotten. I think there are some open (CW) dtaes in March. Would be fun.

John W2AGN

Date: Wed, 4 Feb 2004 22:20:53 -0500
From: "John Huffman" <hjohnnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [167066] February Spartan Sprint Results
Message-ID: <01d201c3eb97\$11d819f0\$b8ac59cf@jhuffman1t>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Results of the February 2004 Spartan Sprint

It was Ground Hog Day, but the Sprinters were looking for QSOs and not their shadow. It may be 6 more weeks of poor conditions on the high bands, but 40 and 80 continued to be the workhorses. Overall conditions were down a bit from last month with 40 noticeably weaker. A handful of brave souls (especially WA9TZE, KH6B, and WD7Z) worked a few on 20. WA9TZE snagged a couple of locals on 15 and 10 for the only activity on those bands.

The total number of logs was 76. That's up 2 from 74 last month. However, a computer glitch ate one log from someone named "Yo". If that was your log, we're sorry. Send it again and we'll include it in next month's 'Late Logs' section.

Here's the band statistics:

Band	This Month	Last Month
80M -	550	522 QSOs
40M -	1085	1290 QSOs
20M -	80	15 QSOs
15M -	2	0 QSOs
10M -	2	0 QSOs
Total -	1719	1827 QSOs

Skinny Winners -

Again this month, Doc K0EVZ and Steve N7SR fought it out for the Skinny honors. This time Doc finished on top with one more QSO and a shade less weight. Clearly, this is becoming a battle of the Titans. Well, QRP Titans...

Third Skinny was Phil K4PQC with the lightest setup in the Sprint and 31 contacts.

Tubby Division Winners -

Jim WA9TZE was this month's tubby winner with 102 contacts on all five bands! It was another excellent performance from Jim. See the Soapbox for Jim's winning setup.

Last month Tom K3TW edged out Todd N9NE with 91 and 90 points respectively. This month Tom K3TW edged out Todd N9NE with 81 and 80 points respectively. Wow, talk about competitive!

Special Recognition, Outside Operation -

With winter at full force, most of us were sure to stay inside. The closest we got to roughing it was Charles AB4VF who "Operated with a full wave 20 mtr loop on my balcony. Wx was just right here in Central Florida."

Late Logs -

Everyone was prompt last month and there were no late logs. Way to go, team.

RESULTS -

Each contact received one point. If you didn't tell us the weight of your station, or if your station weighed more than an ice sculpture, we assigned a weight of 30 pounds.

The soapbox is published separately in the February issue of The ARS Sojourner which comes out soon. Don't miss it! www.ARSqrp.com

We hope everyone had a good time. See you in March!

THE SKINNY DIVISION (results sorted in the order of points per pound)

Call	80M	40M	20M	15M	10M	Points	Weight	Points
Per Pound								
K0EVZ	0	58	0	0	0	58	0.53	109.43
N7SR	0	57	0	0	0	57	0.556	102.52
K4PQC	0	31	0	0	0	31	0.331	93.66
N4BP	0	55	0	0	0	55	1.13	48.67
W0ANM	0	24	0	0	0	24	0.95	25.26
KW4JS	31	28	0	0	0	59	2.49	23.69
N3AO	26	18	0	0	0	44	2.5	17.6
WA1ZCB	0	15	0	0	0	15	1.188	12.63
AE6N	0	26	3	0	0	29	2.3	12.61
KI0G/5	0	7	3	0	0	10	0.92	10.87
K04WX	0	12	0	0	0	12	1.2	10
W3HQ	23	0	0	0	0	23	2.5	9.2
N0JRN	11	15	3	0	0	29	3.45	8.41
W1PID	5	9	0	0	0	14	1.8	7.78
K3ESE	28	28	2	0	0	58	7.5	7.73
K2EKM	5	5	1	0	0	11	1.91	5.76
KI0II	11	8	1	0	0	20	3.5	5.71
KB9LCK	8	4	0	0	0	12	2.4	5
WB4X	7	26	0	0	0	33	7	4.71
KH6B	0	6	11	0	0	17	4.2	4.05
WA8REI	16	14	0	0	0	30	7.5	4
KE0G	23	16	0	0	0	39	11	3.55
WA9TZE	49	33	16	2	2	102	30	3.4
N0EVH	20	12	0	0	0	32	9.6	3.33
K3TW	20	60	1	0	0	81	30	2.7
N9NE	35	45	0	0	0	80	30	2.67

K5MVR	0	6	0	0	0	6	2.5	2.4
WB1HGA	0	7	0	0	0	7	3	2.33
AB6UI	0	5	1	0	0	6	2.6	2.31
AA8PJ	10	0	1	0	0	11	5	2.2
WB2ORD	4	13	0	0	0	17	8	2.12
W0UFO	0	31	0	0	0	31	15	2.07
KD7GIM	0	4	0	0	0	4	2	2
WB6HQB	0	4	0	0	0	4	2.1	1.9
K8FF	33	18	5	0	0	56	30	1.87
NA8M	19	5	0	0	0	24	13	1.85
K8DD	42	8	0	0	0	50	30	1.67
WA1VGB	0	5	0	0	0	5	3	1.67
VE3NXB	7	2	0	0	0	9	5.6	1.61
WD7Z	14	24	10	0	0	48	30	1.6
K6IA	0	17	2	0	0	19	12	1.58
KG8GW	30	12	0	0	0	42	30	1.4
VE1CHS/W0	0	12	2	0	0	14	10	1.4
KB7MBI	0	12	3	0	0	15	11	1.36
N0IBT	0	6	0	0	0	6	4.5	1.33
K6LG	6	8	0	0	0	14	12	1.17
K7RE	0	30	4	0	0	34	30	1.13
KJ5VW	0	10	0	0	0	10	10	1
VE3WMB	0	3	0	0	0	3	3	1
W2NED	0	9	0	0	0	9	10.5	0.86
K3NG	0	25	0	0	0	25	30	0.83
KB2FEL	17	7	0	0	0	24	30	0.8
W7GB	0	21	0	0	0	21	30	0.7
AA7EQ	0	16	4	0	0	20	30	0.67
K8KFJ	13	7	0	0	0	20	30	0.67
KX6SUB	3	14	2	0	0	19	30	0.63
K4BAI	0	19	0	0	0	19	30	0.63
N00CT	13	0	0	0	0	13	22.3	0.58
W8YMO	6	9	0	0	0	15	30	0.5
WD9F	4	10	0	0	0	14	30	0.47
WB6BWZ	4	10	0	0	0	14	30	0.47
W6ZIP	0	14	0	0	0	14	30	0.47
W4NJK	4	6	3	0	0	13	30	0.43
N3JV	0	12	0	0	0	12	30	0.4
W7SW	1	10	0	0	0	11	30	0.37
WA5GDF	0	8	0	0	0	8	30	0.27
VE3XT	0	8	0	0	0	8	30	0.27
N9RY	0	8	0	0	0	8	30	0.27
KC7MM	0	0	1	0	0	1	4	0.25
K01M	0	3	0	0	0	3	15	0.2
WA7RCT	0	6	0	0	0	6	30	0.2
AB4VF	0	0	1	0	0	1	7	0.14
KI7N	2	2	0	0	0	4	30	0.13
N9KO	0	4	0	0	0	4	30	0.13

NN4S	0	2	0	0	0	2	30	0.07
N8WE	0	1	0	0	0	1	30	0.03

THE TUBBY DIVISION (results sorted in the order of points)

Call	80M	40M	20M	15M	10M	Points
WA9TZE	49	33	16	2	2	102
K3TW	20	60	1	0	0	81
N9NE	35	45	0	0	0	80
KW4JS	31	28	0	0	0	59
K3ESE	28	28	2	0	0	58
K0EVZ	0	58	0	0	0	58
N7SR	0	57	0	0	0	57
K8FF	33	18	5	0	0	56
N4BP	0	55	0	0	0	55
K8DD	42	8	0	0	0	50
WD7Z	14	24	10	0	0	48
N3AO	26	18	0	0	0	44
KG8GW	30	12	0	0	0	42
KE0G	23	16	0	0	0	39
K7RE	0	30	4	0	0	34
WB4X	7	26	0	0	0	33
N0EVH	20	12	0	0	0	32
K4PQC	0	31	0	0	0	31
W0UFO	0	31	0	0	0	31
WA8REI	16	14	0	0	0	30
AE6N	0	26	3	0	0	29
N0JRN	11	15	3	0	0	29
K3NG	0	25	0	0	0	25
NA8M	19	5	0	0	0	24
W0ANM	0	24	0	0	0	24
KB2FEL	17	7	0	0	0	24
W3HQ	23	0	0	0	0	23
W7GB	0	21	0	0	0	21
AA7EQ	0	16	4	0	0	20
K8KFJ	13	7	0	0	0	20
KI0II	11	8	1	0	0	20
KX6SUB	3	14	2	0	0	19
K6IA	0	17	2	0	0	19
K4BAI	0	19	0	0	0	19
KH6B	0	6	11	0	0	17
WB2ORD	4	13	0	0	0	17
KB7MBI	0	12	3	0	0	15
WA1ZCB	0	15	0	0	0	15
W8YMO	6	9	0	0	0	15
W1PID	5	9	0	0	0	14
WD9F	4	10	0	0	0	14
WB6BWZ	4	10	0	0	0	14
W6ZIP	0	14	0	0	0	14

VE1CHS/W0	0	12	2	0	0	14
K6LG	6	8	0	0	0	14
W4NJK	4	6	3	0	0	13
N0OCT	13	0	0	0	0	13
K04WX	0	12	0	0	0	12
N3JV	0	12	0	0	0	12
KB9LCK	8	4	0	0	0	12
W7SW	1	10	0	0	0	11
K2EKM	5	5	1	0	0	11
AA8PJ	10	0	1	0	0	11
KJ5VW	0	10	0	0	0	10
KI0G/5	0	7	3	0	0	10
W2NED	0	9	0	0	0	9
VE3NXB	7	2	0	0	0	9
WA5GDF	0	8	0	0	0	8
VE3XT	0	8	0	0	0	8
N9RY	0	8	0	0	0	8
WB1HGA	0	7	0	0	0	7
K5MVR	0	6	0	0	0	6
WA7RCT	0	6	0	0	0	6
N0IBT	0	6	0	0	0	6
AB6UI	0	5	1	0	0	6
WA1VGB	0	5	0	0	0	5
KI7N	2	2	0	0	0	4
N9KO	0	4	0	0	0	4
WB6HQQ	0	4	0	0	0	4
KD7GIM	0	4	0	0	0	4
K01M	0	3	0	0	0	3
VE3WMB	0	3	0	0	0	3
NN4S	0	2	0	0	0	2
KC7MM	0	0	1	0	0	1
AB4VF	0	0	1	0	0	1
N8WE	0	1	0	0	0	1

Date: Wed, 4 Feb 2004 19:27:46 -0800
 From: "Ian Wilson" <ianmwilson@earthlink.net>
 To: <qrp-1@Lehigh.EDU>
 Subject: [167067] Re: Floating Point Libraries for PIC? Amtel?
 Message-ID: <004401c3eb98\$0bc6cc40\$1002a8c0@TrabucoIan>
 MIME-Version: 1.0
 Content-Type: text/plain;
 charset="us-ascii"
 Content-Transfer-Encoding: 7bit

The microchip site has floating point routines.

These are reasonably well factored, so that you can just use the routines you need for a particular application.

I had always been a user of scaled integer routines until recently, when I built an L/C meter. Almost impossible to handle the scaling required to do this using fixed point. Easy using floating point.

73 de ian, k3imw/6

Date: Wed, 4 Feb 2004 22:31:19 EST
From: Ke9xq@aol.com
To: qrp-1@lehigh.edu
Subject: [167068] RE:First offer of double sided cuircuit board matrial
Message-ID: <18c.2551b6b6.2d531307@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

This is a repost, as I did not see it getting posted, so please delete if it really already went through, and my apologies for the redundancy...

Greetings Folks

I have some VERY thin flexible doublesided circuit board some of you will be interested in. This is so thin, it is hard to believe it is not just a thin sheet of copper, but I measured it with the OHM meter and it is indeed doublesided material. I have decided to offer my circuit board material in three or four steps, most of which is going to be free, but the first offer is one dollar and a self addressed envelope. Only one stamp is needed and I will put 5 sheets that are as long as the envelope, that's letter size or business size by 1 3/4 inches. The original size is 1 3/4" by 11 1/2" so if you send business size envelopes, you'll get a little more material. I have enough of this for thirty offers, and will wait for one week for the orders to come in and mail them all out at the same time. If, there are not thirty orders for this I will take and add another board or two to the orders received so you might receive 6 or 7 sheets.

So, here's the deal 5 sheets of doublesided material 1 3/4" by 8 1/2" for one dollar and a self addressed stamped envelope. I'm not sure how to handle the over the boarder orders, if you fit that bill, and are willing to see what is needed, you are of course welcome to take advantage of this.

I made the offer in this fashion because I wanted to make sure there were enough boards to go around, which of course limits the material available. If

there is not that much need, then I will add a little more material as noted.

Please also note, this is not taking place of the freebies coming up.
Thanks for the bandwidth, check with me to see if there is still material if you
do not want to throw away the stamp or two, I would mail you back the dollar
if I ran out.

73 72

Bill KE9XQ

Date: Wed, 4 Feb 2004 19:48:31 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167069] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <20040205034832.9992.qmail@web41008.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- KXBill <KXB-1@cox.net> wrote:
> "And certainly,
> it's appropriate for the Fox to ID at least once
> every
> ten minutes or less."
>
> Lloyd, I agree with you and I believe the Fox must
> also ID at the end of
> each QSO. Please flame me if I'm wrong.
> Cheers to all
> KXBill&&

Bill,

From the Rules:

"The Fox's information may in some cases be "deemed"
to be exchanged. That is, the Hunter need not
acknowledge the Fox's information, and the Fox may
work a list. For example, the Fox may call several
stations and acknowledge their information one by one,
while sending his own information only once for the
list."

That's what that means. In this setting, since
everyone knows who they're talking to, the Fox just
has to ID as any station in an extended QSO would.

The FCC Regs say, "Each amateur station... must transmit its assigned call sign...at the end of each communication, and at least every ten minutes during a communication, for the purpose of clearly making the source of the transmissions from the station known to those receiving the transmissions."

In the regs, they also mention "transmissions," and I get the sense that, although I couldn't find the terms defined, a 'communication' might be considered to consist of a number of 'transmissions.' In a rag chew of an hour, f'rinstance, you only ID once in awhile, and again at the end of the QSO, or 'communication.'

I think the whole Hunt would be a 'communication,' with the Fox ID'ing every so often - there being clarity about where his transmissions are coming from - and the bit above from the Rules of the Hunt is to try to help Hounds figure out why they might be having what feels like an incomplete QSO, with no Fox ID.

So consider yourself flamed with a plethora of verbiage. Flayed is more like it.

LL

=====

72 es oo, Lloyd, K3ESE - Reisterstown, Maryland FM19p1
KX1#11 - multiPIG+#14 - K1#379 - 20/40M RockMites
Loop - EDZ - LW - Begali Magnetic Classic Paddles
ARRL - ARS - QRParci - QCWA - FISTS #8774
FPQRP #476 - QRP-L - BORG #2
Fun = Skill / Power ! 8^D

Do you Yahoo!?

Yahoo! Finance: Get your refund fast by filing online.
<http://taxes.yahoo.com/filing.html>

Date: Wed, 4 Feb 2004 19:53:10 -0800
From: "john gabbard" <johngabbard@usintouch.com>
To: "Low Power Amateur Radio Discussion" <grp-l@Lehigh.EDU>
Subject: [167070] VE3DNL Marker generator kit
Message-ID: <000b01c3eb9b\$98733090\$71861c0c@john>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I am looking for one in kit form or a working unit. Thanks John KF70M

Date: Wed, 4 Feb 2004 23:03:17 EST
From: Ke9xq@aol.com
To: qrp-l@lehigh.edu
Subject: [167071] RE Second offer on circuit board material
Message-ID: <1d7.1979503b.2d531a85@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings Folks

Made my trip into town today to check out the costs for mailing out that circuit board material I'd mentioned about a short time ago. Had about forty requests, three of which were from Canada. I took a couple boards with me and priced the regular mails to Florida from my QTH and was kind of disappointed at the price. And found that N2GO had the right idea with the flat rate envelopes, so picked up a bunch of them today, and will start making the boards fit,

and picked up three flat rate to Canada envelopes. I'm not sure how much board I can stuff into these, but the directions on the Canadian envelopes say I cannot go over 4 pounds, and I think the 4 pounds will come before the envelope is stuffed, so guess we'll see what transpires.

So, here is the deal folks:

1. Write me off list, to make sure you are on the list.
2. Canadians send me 6.00 US or equivalent, seems like quite a

difference, and

locals 3.85... This is what they are charging me for shipping like I said flat rate. These

Monies can be Paypal, or whatever suits your fancy.

3. When the monies arrive, I should have the envelope all ready to mail out. Just to

give everyone a heads up, I only go into town 2 or maybe 3 times a week, so have a

little patience.

4. As I said, I had 40 requests, and if 40 of you order, I'll need to cut up some more board

so, I'll give you a heads up before you send in your order, that I need some more time

to cut this up... I want to cut it up outside, and it's been cold
out here... :) I think I
have enough for most of 30 orders so far. So the first orders should
not have to wait at
all. Think there should be enough to go around, and hope you find
great uses for them.
Just as a reminder this is old stock, most of which should polish up
pretty good, It is single sided, and fiberglass material. Think I took enough
bandwidth, Thanks for everyone's patience...
73 72 00
Bill KE9XQ

Date: Wed, 4 Feb 2004 22:37:40 -0600
From: "Bruce & Bonnie Rattray" <rattray@accesscomm.ca>
To: <reedpark@nbnet.nb.ca>,
"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167072] Re: PIC-EL
Message-ID: <007901c3eba1\$cad7ace0\$8700a8c0@accesscomm.ca>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm waiting for mine - 72 - Bruce ve5rc/ve5qrp
----- Original Message -----
From: "Claudia & Reed Park" <reedpark@nbnet.nb.ca>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, February 04, 2004 4:39 PM
Subject: Re: PIC-EL

>
> Any sign of them in Canada yet ?
>
> 7 3
> Reed - VE1NU
>
> ---
>
> Looking for information on Marconi SMR-3 and
> Northern Electric R8119A receivers of WW 2.
>
>
>

Date: Wed, 04 Feb 2004 23:57:27 -0500
From: "Brian Riley (maillist)" <n1bq_list@wulfden.org>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [167073] MPLAB/CDROMs - now can accept PayPal
Message-ID: <BC473767.1EA70%n1bq_list@wulfden.org>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Well the disk have been flying out of here for sure, by tomorrow morning I will have mailed 22 disks since Monday. From Vancouver, BC to Belgium and all points in between.

I enabled my PayPal account to accept payments if that will make it any easier. If you use PayPal the price is

- \$3.50 USD for US
- \$4.50 USD or \$5.50 CD for Canada
- \$5.50 USD for overseas

My PayPal account is in the name of <brianbr@wulfden.org>

or if you prefer Snail Mail - take \$0.50 off the prices and send it to

Brian Riley, PO Box 188 Underhill Center, VT 05490

With the disks I have going out Thursday (2/5/04) I will have about five mailers left to fill requests until Monday or Tuesday when my new shipment arrives. So the usual prompt response may drag a day or three.

cheers ... 73 de brian, n1bq

Date: Wed, 4 Feb 2004 21:36:37 -0800
From: "Bill Linn" <wlinn@smsgazette.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167074] Re: Manual -- FT-470 (Yaesu 2-band handheld)
Message-ID: <001201c3ebaa\$06b68b20\$7170ef42@wa7tqk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The manual has gone to a warmer climate...

Thanks,
Bill - W7WEL

[SMGazette.com E-mail is scanned for viruses by Declude Virus]
[Visit us on the web at SMGazette.com]

Date: Wed, 4 Feb 2004 23:02:22 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167075] Re: monitoring nasa..
Message-ID: <000001c3ebb6\$5ccb2be0\$651179d1@jrm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>That was better than 5 miles a second. It was going so
> fast

Indeed! It is an awesome site. Several years ago the shuttle was up north here on one of it's military missions. The re-entry path was right overhead here (near Vancouver, BC) for a Florida landing. From the time it came over the mountains to the last I saw of it lasted about 15 seconds. It was a yellow-orange fireball and it was hauling! Five minutes later it passed over Calgary, Alberta and 25 mins later it was in Florida. I'll never forget that morning.

Steve / VE7SL

Date: Thu, 5 Feb 2004 06:18:49 -0600
From: "Gene Sailsbury" <gsailsbury@mobill1.net>
To: "Low Power" <qrp-1@Lehigh.EDU>
Subject: [167076] RE: AT Sprint for Sale
Message-ID: <031101c3ebe2\$36a2c8c0\$61c03fd8@n0mq>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Just helped a ham put a AT Sprint on eBay. The number is 3076338121 if you are looking for one.

Gene NOMQ

Date: Thu, 5 Feb 2004 06:42:05 -0600
From: "Steve Zumbrun" <zumbruns@evertek.net>
To: <qrp-1@lehigh.edu>
Subject: [167077] FS: K1 with options
Message-ID: <001201c3ebe5\$75fa6c50\$6401a8c0@s0023320298>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have for sale K1-4 with following options: KAT-1; NB; Internal Battery; Tilt Stand; K1 MCU F/W 1.09E and Don Brown's tuner mode and Pop mode. I want \$400 plus shipping. Thanks and 73, Steve W0SZ.

Date: Thu, 5 Feb 2004 12:57:52 -0000
From: "Ray Goff" <radioham@gmx.co.uk>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167078] Contest! Trainer goes Generic
Message-ID: <ACEBKECEJKBMLBLMPOHJEEJODAAA.radioham@gmx.co.uk>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

If you were put off using my Contest Trainer because the keystrokes only emulated CT, now is the time to take another look as the new version allows fully user definable keystrokes.

Thanks for the bandwidth.

72/73

Ray, G4FON
www.g4fon.co.uk

Date: Thu, 5 Feb 2004 06:12:09 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-1@lehigh.edu
Subject: [167079] -107DB
Message-ID: <Pine.LNX.4.44.0402050604330.5281-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

It is said that a signal which is 1 micovolt is a -107DB signal in the Elecraft paper. It is presented as though ANYONE should know this. This morning I tried to prove that 1 microvolt across a 50 ohm load is $2 \times 10 \exp -14$ watts, is -107DB and failed.

It appears I'm missing something here. My most recient small signal work was in long wavelength optical detectors and we did the same sort of thing.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 5 Feb 2004 08:51:55 -0500
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [167080] Re: -107DB
Message-ID:
<6D6463F31027B14FB3B1FB094F2C7447047DA076@tayexc17.americas.cpqcorp.net>
Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

> This morning I tried to prove that 1 microvolt across a
> 50 ohm load is $2 \times 10 \exp -14$ watts, is -107DB and failed.

Power = $3D V \times V / R = 3D 1e-6 \times 1e-6 / 50 = 3D 1e-12 / 50 = 3D 2e-14$ Watts.
 $2e-14$ W = $3D -137$ dBW or -107 dBm.

This is kinda terse -- if it's not clear, please tell us what needs more explanation.

-- Bill, AB1AV

Date: Thu, 5 Feb 2004 08:52:38 -0500
From: "Steve Blary" <steve@eclipsecat.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167081] RE: Portable Radial Ideas?
Message-ID: <PPEIIGOHKOAKJAPHAODHOEBNEPAA.steve@eclipsecat.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> I like the system you used with Ade Weiss, but I've never heard of
> corrugated PVC. Can you provide anymore information on this?

I believe it is known in the RC airplane hobby as air core. made the same
as corrugated cardboard just a plastic matterial. very popular for small
durable signs

72
Steve N1XC

Date: Thu, 05 Feb 2004 09:12:46 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-l@lehigh.edu
Subject: [167082] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <40224F5E.9070301@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

Boy, I sure am feeling old. I remember back in ancient times when the
Fox Hunt was simple, few "Rules," just fun. Of course in those days we
didn't have exchanges "completed" on the list in the event the Fox
copied wrong. It was a "radio" event, not an Internet event. We also
didn't worry that sending "UP" after a QSO would cost us X number of
minutes for the thing, thereby cutting down the number of QSOs.

Maybe someone can write some software to automate the whole thing?

John W2AGN

Date: Thu, 5 Feb 2004 09:30:13 -0600
From: "John Bohnert" <johnb@elmhurst.edu>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [167083] Elmer 160: PIC-EL -- Manual, Section 11
Message-ID: <00ce01c3ebfc\$f2bf11c0\$707744ce@otc1197270>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My tests one, two and four comply with the text for these tests. My power source supplies 13.4 V. In test three I have 13.4 V at J6 pin 8, but I have 11.5 V at TP-A while I should have anticipated 13.4 V at TP-A" according to the Test Manual, Section 11, step three.

In my simplistic view I would have expected the voltage at TP-A to be 'close to' 12 V, but certainly not whatever voltage is supplied to the board (test step three language), unless the voltage supplied to the board is also very close to 12 V.

I need some enlightenment. Thanks.

72
N9KW
John

Date: Thu, 5 Feb 2004 11:20:03 EST
From: ARDUJENSKI@aol.com
To: qrp-l@lehigh.edu
Subject: [167084] Swapmeet Station
Message-ID: <dd.2a2ec5e.2d53c733@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

We are looking at having an outdoor operating QRP atation at the local hamfest in March but the facilities folks seem to have some concerns over safety to the ham visitors. I was wondering if any of you faced this problem and what

you did to satisfy these concerns.

(To me standard Field Day practices and the fact the levels are not any more of a concern than a couple of hundred of hams walking around with HTs this is blown all out of proportion.)

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Thu, 5 Feb 2004 11:28:42 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: <qrp-l@lehigh.EDU>
Subject: [167085] Build a DDS Daughtercard for handicapped ham?
Message-ID: <200402051128.AA956170500@clearviewcatv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

A handicapped ham asked me to help him find someone to build a DDS Daughtercard Kit for him. I figured there would be someone here on the list with some time and ability to help out.

He has a PIC-EL board (also built for him by someone) and would hope that whoever is able to build up his DDS kit would already have a PIC-EL board to test it against.

So ... if you have a PIC-EL board operational (or any of the six other ways to use the daughtercard) and wish to help a fellow ham get a DDS Daughtercard built up, please reply offline and I'll hook you both together.

Thanks.

73, George N2APB n2apb@amqrp.org

PS: If desired, the volunteer could follow the common route for getting this SMT kit built up using Mike WA6OUW, as described on the DDS Daughtercard kit page www.njqrp.org/dds. In that case, the AmQRP will pick up the charge for his service and mailing.

Date: Thu, 5 Feb 2004 11:29:57 EST
From: Ke9xq@aol.com
To: qrp-l@lehigh.edu
Subject: [167086] Circuit Board offer update, and appologies

Message-ID: <1dd.19e3cec6.2d53c985@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings

I forgot to put in my contact info, so here it is:

William Wood
W2788 Birch Lane
La Crosse, WI. 54601

OR:

IF paypal,
ke9xq@aol.com should do it if I'm not mistaken.

Sorry about sending people to QRZ or writing me for this info. Also, please understand with about a hundred E-mails on the subject, do not be too upset if something goes astray, If I mess up somewhere, just let me know, and I will try to make it up to you... :)

Another thing to set straight, if you E-mail me to confirm your order, etc., as many have done, we should have no mishaps and me sending back empty envelopes you'd paid postage on, so check before you send those envelopes please. Thanks...

One last thing, a couple of people have asked me to notify them independently about one thing or another, and I might have missed someone here too, so if you asked for something special, either ask again if I did not respond to you, or, except my apologies for the oversight. Thanks for your patience here.
73 72 00 everyone
Bill KE9XQ

Date: Thu, 5 Feb 2004 12:03:33 -0500
From: "Jason Hsu" <jhs001@heronetwork.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167087] The Autek WM1 SWR Meter
Message-ID: <003701c3ec0a\$00c144c0\$64923144@aolids1.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The web page is:

<http://www.autekresearch.com/wm1.htm>

One thing I noticed is that this SWR meter uses a single-needle display instead of the conventional cross-needle display for the SWR reading and requires NO calibration. This requires a circuit that converts the

reflected/forward voltage ratio into a voltage or current.

Does anyone here know this it is done? I think the solution used in the Autek WM1 just might resolve the bug in my QROP Meter design that I told you about (SWR sometimes reads infinity instead of 1.0 when not transmitting).

Jason Hsu, AG4DG

personal@jasonhsu.com

<http://www.jasonhsu.com/ee.html>

<http://groups.yahoo.com/group/eeham/>

http://groups.yahoo.com/group/resume_hyperinflation_fighters/

<http://groups.yahoo.com/group/gmu-ece-control/>

Date: Thu, 5 Feb 2004 09:32:31 -0800 (PST)

From: Curt Milton <wb8yyy@yahoo.com>

To: ARDUJENSKI@aol.com,

Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [167088] Re: Swapmeet Station

Message-ID: <20040205173231.33727.qmail@web60806.mail.yahoo.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Alan,

first show respect for them asking the question as that may be part of their job. that will buy you respect.

insure that antenna is elevated enough that no one can come in contact with it. if you are using ladder line, also set it up so bystanders cannot come in contact with it.

then perform a safety level calculation per FCC rules and method. explain to them that the FCC has a safety guideline, and show them how you compare. if you explain what goes into calculation - distance of people from antenna, gain of antenna, and power level transmitted - they can see you are taking their concern into your operation.

i suspect this is covered on the ARRL website. and do get someone to check you math. have fun with your operation!

curt wb8yyy

--- ARDUJENSKI@aol.com wrote:

> We are looking at having an outdoor operating QRP
> station at the local
> hamfest in March but the facilities folks seem to
> have some concerns over safety to
> the ham visitors. I was wondering if any of you
> faced this problem and what
> you did to satisfy these concerns.
>
> (To me standard Field Day practices and the fact the
> levels are not any more
> of a concern than a couple of hundred of hams
> walking around with HTs this is
> blown all out of proportion.)
>
>
> Alan KB7MBI in Woodinville, WA
> FISTS 5702 / ARS / Proud member of ARRL
> --- --- --- --- DIT DIT

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<http://taxes.yahoo.com/filing.html>

Date: Thu, 5 Feb 2004 10:50:09 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [167089] How to calculate DBmW from volts
Message-ID: <Pine.LNX.4.44.0402051049190.5281-1000000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Given: A physical generator producing a known 1 microvolt RMS signal across the input of a receiver.

Find: What is the level of this signal in DBmW?

Solution:

The solution will be of the form $DBmW = 30 + 10 \text{ LOG (Power(W))}$

$\text{Power(W)} = V \times V / R$ where $V = 1 \times 10^{-6}$ volts RMS and $R = 50$ ohms.
 $= 1 \times 10^{-12} / 50 = 100 \times 10^{-14} / 50 = 2 \times 10^{-14}$ Watts.

$\text{LOG (2 X } 10^{-14}) = -14 \text{ LOG 2} = -13.69897$

$DBW = 10 \times -14 \text{ LOG 2} = -137 \text{ DBW}$

$DBmW = 1/1000 \text{ DBW} = 10 \text{ LOG } 1000 \text{ DBW} = 30 + \text{DBW}$

Finally $DBmW = 30 - 137 = -107 \text{ DBmW}$

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 5 Feb 2004 13:09:47 -0500
From: "Noyce, Bill" <william.noyce@hp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [167090] BPL in Canada
Message-ID:
<6D6463F31027B14FB3B1FB094F2C7447047DA079@tayexc17.americas.cpqcorp.net>
Content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

According to the Toronto Star, Broadband over Power Lines is coming to Sault Ste. Marie, Ontario. The system is provided by Amperion; it's a little different from others in that the last 100 meters is provided by standard wireless connections.

<http://www.thestar.ca/NASApp/cs/ContentServer?pagename=3Dthestar/Layout/=A rticle_Type1&c=3DArticle&cid=3D1075936210031&call_pageid=3D968350072197&c=ol=3D96 9048863851>

-- Bill, AB1AV

Date: Thu, 5 Feb 2004 12:38:53 -0600
From: "George, W5YR" <w5yr@att.net>
To: <k5di@zianet.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167091] Re: -107DB
Message-ID: <00a701c3ec17\$50908f80\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Couple of points, Karl.

First, the unit is dBm, not dB. That is, the quantity is -107 dBm which describes a power level 107 dB below one milliwatt. IT is meaningless to say that one microvolt across 50 ohms is -107 dB. A reference must be stated, hence the term dBm.

The math is the usual $\text{dB} = 10 \cdot \log (P_2/P_1)$ where

P_2 = (one microvolt) squared over 50 ohms, expressed in watts

P_1 = 10^{-3} watts

The ratio of P_2 to P_1 is your $2 \cdot 10^{-14}$ watts divided by 10^{-3} watts which is $2 \cdot 10^{-11}$. This is a pure dimensionless ratio. Taking the log of this and multiplying by 10 gives -106.9 dB or -107 dB for short.

Since the reference power used here is one milliwatt, we express the power ratio in dB in terms of dBm.

So the relationship is that one microvolt across 50 ohms corresponds to a power level of -107 dBm.

I think that what you were missing is the reference of one milliwatt.

73, George W5YR
w5yr@att.net

----- Original Message -----

From: "Karl Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 05, 2004 7:12 AM
Subject: -107DB

>
> It is said that a signal which is 1 micovolt is a -107DB signal
> in the Elecraft paper. It is presented as though ANYONE should know
> this. This morning I tried to prove that 1 microvolt across a 50 ohm
> load is 2×10^{-14} watts, is -107DB and failed.
>
> It appears I'm missing something here. My most recient small
> signal work was in long wavelength optical detectors and we did the same
> sort of thing.
>
> --
>
> - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>

Date: Thu, 5 Feb 2004 13:56:03 -0500
From: "palmer_t" <ThomasPalmer@colliergov.net>
To: <qrp-1@Lehigh.EDU>
Subject: [167092] Re: Transmitting on the Fox frequency - long, pontifical
Message-ID: <C318A0DD37943143AADB8DA1362D84001E82BE@bccex0101.bcc.colliergov.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Knowledgeable Hounds immediately ascertain whether the FOX - at that =
time - is operating split or simplex, but this does not take into =
account at least two other instances. =20

(1) Operators other than knowledgeable Hounds may be listening, and=20
(2) The FOX from time-to-time may operate simplex for a few QSO's and =
then go back to operating split. =20

In either event, the FOX sending "up" (or "down" as the case may be) is =
helpful. Sending "up" (or "down") informs listeners that the FOX is =
working split (or is going from simplex back to split) and will be =
listening "up" (or "down") the frequency.

I do not believe the FOX sending "up" (or "down") during a 2 hour hunt =
has ever resulted in 1 pelt not being issued because I've never heard a =
hunt where the FOX did not - at least during the 2nd hour - transmit =
"FOX QRZ" - MANY times. It's common for the FOX to transmit "FOX QRZ" =

during the 1st hour, and even during the 1st 30 minute when conditions =
are bad and, although hounds are calling, the FOX cannot hear any =
Hounds. I believe that the FOX requesting just 1fill probably takes up =
more total time than transmitting "up" or "down" however many
times =
throughout the hunt. =20

Tom, N1TP
Naples, Florida =20
=20
=20

Date: Thu, 5 Feb 2004 14:04:28 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: Dick <dboleyp@adelphia.net>
Cc: <njqrp@njqrp.org>, <qrp-l@Lehigh.EDU>
Subject: [167093] Re: PIC-EL and FPP loader
Message-ID: <200402051404.AA4042391728@clearviewcatv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi Dick -

I haven't had the time to finish that section of the online manual,
but it's really straightforward ... when things are working right.

Let's start with the basics:

1) Install FPP.

Hopefully you've installed FPP as described in Lesson 10, posted on
the project website. Having gone through this you will have successfully installed
the program, activated the driver and seen
some lines wiggle on the board. If you haven't done this yet, you
should focus right here first before proceeding.

The cable you need for connection between the PC and PIC-EL board is
actually required in this first step, but for review here again it is a
standard straight thru 9-pin DB9M (male) to 9-pin female DB9F connector. You can
pick this cable up at many computer supply places
like Staples, Best Buy, Mouser or even from Radio Shack ((p/n 26-117B).

The cable plugs into the RS-232C serial port on your PC and the other
end plugs into the PIC-EL board. If you only have a USB port, as some
more modern computers come these days, you'll need to get a USB-to-
RS232 adapter, as explained elsewhere on the project page.

Another thing that's important to remember doing when a PC application

such as FPP is attempting to use the serial port is to "disable" other programs also using that same serial port. For example, on my own system I need to "exit" my HotSync program that talks to my Palm PDA in the docking cradle. Another thing that often commands the serial port, effectively blocking its use by other programs, is an IDE development program (perhaps like MPLab, and certainly like the Motorola ICS08 IDE that I use for the HC908 Daughtercard development).

Lastly, be sure that you have a sufficiently high voltage power supply connected to your PIC-EL board. Although the board can run off a 9V battery, as I've done at our club meetings, you'll need to have at least 12V present on the connector in order to generate the minimum "programming voltage", called Vp_{gm}.

Okay, now that the cable is connected, you've got FPP loaded and turned on, your PIC-EL board is powered by at least 12V, and you've manually wiggled the lines as described in Lesson 10, it should be a piece of cake to program a PIC on the PIC-EL board.

2) Obtain the .HEX program

The HEX file is the new software you will be burning into the PIC. You can download the TestSoftware.ZIP program from the web page, which will create a bunch of files on your computer when unzipped. The T-PICEL.HEX file contains the Test Program in "hex ascii" format, which is just a specific data format expected by the FPP program. I normally place all the software files into a folder called PICsoftware.

3) Load the T-PICEL.HEX file into FPP.

Click on the LOAD button and navigate to wherever you unzipped the TestSoftware.ZIP files on your local computer (like the folder called PICsoftware). You will see the t-picel.hex file listed there - just double-click it and the hex ascii code will load into the FPP buffer. You will see that code in the FPP window.

4) Slide mode switch S1 DOWN to PGM MODE.

You need to move the slide switch S1 to the DOWN position in order to put the PIC-EL board into the PGM MODE. The LED next to the switch will turn on when you do this.

5) Erase the PIC currently plugged into the PIC-EL board.

You first need to "erase", or clear out the software program currently in the PIC's flash memory before you are able to burn a new program into the PIC. Click the ERASE button to do this, and if successful you will see a simple message pop up saying "PIC is erased".

6) Burn the new code into the PIC.

Now that the PIC memory is empty and you have the new program (t-picel.hex) in the FPP buffer window, you are all set to burn the

program into the PIC. Click PROGRAM on the FPP application window and confirm your desire again in the pop-up window. It will take a few moments for this short program to be burned into the PIC, but when complete FPP will display "Device programmed!". If it says "Programming failure", you obviously have a problem like the PIC was not first erased, power supply wasn't connected or sufficiently high, cable was not plugged in, etc.

7) Slide the mode switch UP to go into RUN MODE.

Now that the programming is complete, you next need to put the PIC-EL board back into RUN Mode. Do this by sliding Mode Switch S1 UP, and the PGM LED will turn off once again.

8) RESET the board to start up the new program.

Although not always necessary, just press the RESET pushbutton on the PIC-EL board to start up the new program just programmed into the PIC.

Hope this all helps ... please let us know how it works out for you.

73, George N2APB

----- Original Message -----

From: "Dick" <dboley@adelphia.net>

Reply-To: Dick <dboley@adelphia.net>

Date: Thu, 5 Feb 2004 12:36:40 -0500

>I cannot locate any step-by-step info on FPP to load programs into PIC-EL. I
>gave it a shot using a cable that normally runs my 746 from the PC. Always
>failures. Also, the Define/Test process caused pins 12 & 13 to operate in
>unison. Found a short 1:1 straight through cable but although the pins
>seemed to function ok, and I loaded T-PICEL.HEX ok, no joy on sending it to
>the PIC-EL. ??????

>

>Any functional info available on the use of FPP and particularly what type
>of cable wiring it needs??

>

>Dick N3HKN

Date: Thu, 5 Feb 2004 14:30:51 -0500

From: "palmer_t" <ThomasPalmer@colliergov.net>

To: <qrp-1@Lehigh.EDU>

Subject: [167094] Elecraft K2 will be coming to my QTH

Message-ID: <C318A0DD37943143AADB8DA1362D84001E82BF@bccex0101.bcc.colliergov.net>
content-class: urn:content-classes:message
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Last Summer I drove from Orlando (Florida) to Paul's (K4FB) ham shack =
to try to bag 2 pelts in the QRP-L Foxhunt. To say the least I was =
favorably impressed with Paul's Elecraft K2 rig (and his 40 meter =
antenna and tower). A few days ago I mentioned to my XYL, Ruthie, =
that I was taking a "good look" and a new radio called the
"Elecraft =
K2." She told me something I'd forgotten" - that I raved about Paul's =
K2 when I returned back in Orlando that evening after that Hunt. =
Instead of the reply I anticipated: "You already have a good radio; you =
don't need a new one" Ruthie said, "Fine. You mentioned to me how much =
you liked that radio when you returned from the Fox Hunt when we were =
in Orlando." That did it! I'm working out the details. I plan to stop =
by the Elecraft booth at the Orlando HamCation on February 14. As I =
would not try to construct any of these kits, I'm having a
qualified =
QRPer ham construct my K2 - with almost all accessories. Although I'm =
in no particular rush to receive my K2, I am looking forward to the day =
it arrives here in beautiful, tropical, Naples, Florida.

Tom, N1TP

=20

Date: Thu, 05 Feb 2004 14:31:28 -0500
From: Lee Mairs <lmairs@direcway.com>
To: qrp1 <qrp-1@Lehigh.EDU>
Subject: [167095] Magazine Day
Message-ID: <013801c3ec1e\$acd6d400\$6702a8c0@J4>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Wonderful! QQ and QHB both arrived in my PO box this morning!
73 de Lee
km4yy/8

Date: Thu, 05 Feb 2004 11:20:18 -0800

From: Adam Farson <farson@shaw.ca>
To: Low Power Amateur Radio Discussion <qrp-1@LEHIGH.EDU>
Subject: [167096] RE: How to calculate DBmW from volts
Message-ID: <BLEKJMCJBOEAAIECDNNCIEDGIHAA.farson@shaw.ca>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Hi Karl,

There is no designator "dBmW".

0 dBm = 1mW

0 dBW = +30 dBm = 1W

This is an international convention.

Otherwise, your calculation is correct; 1 microvolt across 50 ohms = -107 dBm or -137 dBW.

Cheers for now, 73,
Adam VA70J/AB40J

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Karl Larsen
Sent: Thursday, February 05, 2004 09:50
To: Low Power Amateur Radio Discussion
Subject: How to calculate DBmW from volts

Given: A physical generator producing a known 1 microvolt RMS signal across the input of a receiver.

Find: What is the level of this signal in DBmW?

Solution:

The solution will be of the form $DBmW = 30 + 10 \text{ LOG (Power(W))}$

$\text{Power(W)} = V \cdot V / R$ where $V = 1 \times 10^{-6}$ volts RMS and $R = 50$ ohms.
 $= 1 \times 10^{-12} / 50 = 100 \times 10^{-14} / 50 = 2 \times 10^{-14}$ Watts.

$\text{LOG (} 2 \times 10^{-14} \text{)} = -14 \text{ LOG } 2 = -13.69897$

$DBW = 10 \times -14 \text{ LOG } 2 = -137 \text{ DBW}$

$DBmW = 1/1000 \text{ DBW} = 10 \text{ LOG } 1000 \text{ DBW} = 30 + \text{DBW}$

Finally $DBmW = 30 - 137 = -107 \text{ DBmW}$

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 5 Feb 2004 14:19:24 -0500
From: "John Huffman" <hjohnc@core.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [167097] February Spartan Sprint Results - Revised
Message-ID: <03c201c3ec20\$8b9f08f0\$859159cf@jhuffmanlt>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang -

The missing "Yo" log has been found. Thanks go to Jerry K6III and John K4BAI for putting me on the right track. And, of course, it's a log that changes the outcome in the Tubby division.

The missing log was from NC7J. Dave uses Yo as a tag because NC7J is a club station and there are so many Daves in the club.

Dave had 66 QSOs on 40 meters and 30 QSOs on 20 meters for a total of 96 contacts and second place in the Tubby division. That is an outstanding effort. That moves Tom K3TW to third and Todd N9NE to fourth in the division.

The corrected results will be posted on the Adventure Radio Society web site.

My apologies to Dave, Tom and Todd as well as any others who are moved down a notch. For example, I went from 24th Tubby to 25th Tubby :-)

73 de NA8M
John

Date: Thu, 5 Feb 2004 13:16:22 -0700 (MST)
From: Karl Larsen <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [167098] Easier way to get -107
Message-ID: <Pine.LNX.4.44.0402051315550.5281-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Given: A physical generator producing a known 1 microvolt RMS signal across the input of a receiver.

Find: What is the level of this signal in DBmw?

Solution:

Power(W) = $V \times V / R$ where $V = 1 \times 10^{-6}$ volts RMS and $R = 50$ ohms.
 $= 1 \times 10^{-12} / 50 = 100 \times 10^{-14} / 50 = 2 \times 10^{-14}$ Watts;

Power (mW) = $(2 \times 10^{-14}) \text{ W} (1000 \text{ mW/W}) = 2 \times 10^{-11} \text{ mW};$

LOG $(2 \times 10^{-11}) = -11 \text{ LOG } 2 = -10.69897;$

DBmW = $10 \times \text{LOG} = 10 \times -10.69897 \approx -107 \text{ DBmW};$

This solution shows that doing the conversion to mW first simplifies things.

--

- Karl Larsen k5di Las Cruces, NM Az ScQRPions -

Date: Thu, 5 Feb 2004 15:43:05 -0500
From: "George Heron N2APB" <n2apb@clearviewcatv.net>
To: <qrp-l@Lehigh.EDU>
Subject: [167099] Re: Build a DDS Daughhtercard for handicapped ham?
Message-ID: <200402051543.AA1537016064@clearviewcatv.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii

We're all set with someone to help out with this, so no more offers please.

Thanks for everyone's replies ... it's comforting to know that we have so many generous QRPers and homebrewers here on the list.

73, George N2APB

Date: Thu, 05 Feb 2004 15:40:39 -0500
From: Garey Barrell <k4oah@mindspring.com>
To: unlisted-recipients;; (no To-header on input)
Cc: Low Power Amateur Radio Discussion <qrp-l@lehigh.edu>
Subject: [167100] ELMER 160: Power Supplies for PIC-EL
Message-ID: <4022AA47.1050505@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

Just a word of caution.

Looking around for a "portable" power supply to use with my PIC-EL, I found a box with multiple wall-warts in it. Of the five (5) different "12V DC" power supplies tried, every one of them put out between 16 and 17 Volts DC.! Probably not a good idea, since the electrolytic caps at the input of the PIC-EL are rated 16V.

Fortunately, my local surplus store had a box of "Regulated 12V DC @ 1.5A" wall-warts for only \$8 each. Not only does it put out a _clean_ 12.16VDC, it's a "switcher". No, not a peep on a nearby receiver. There is broadband noise audible if I put my Sony ICF-2010 right up next to the power supply, but inaudible a couple of feet away.

Certainly good enough for "experimental" operation.

73, Garey - K40AH
Atlanta

Date: Thu, 5 Feb 2004 14:52:57 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <johnb@elmhurst.edu>, <n2apb@amqrp.org>
Subject: [167101] Re: Elmer 160: PIC-EL -- Manual, Section 11
Message-ID: <003701c3ec2a\$09ee4e60\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi John,
The voltage at TP-A (Vpgm) is determined by zener diode D5 and transistor Q3. If the 2N2222A programming voltage switch Q3 is slightly "on" this voltage could very well measure 11.5V. The nominal voltage should be about 12V at Vpgm/TP-A according to my schematic. I believe the manual is in error. Perhaps George or Craig can jump in and confirm.

I would double check to make sure R5 is 22K though. A smaller value might bias Q3 enough to switch on and drop Vpgm like you're seeing. Like mebbe 2.2K, for example ;-)

Just finishing my PIC-EL up...GL!

72/73,
Lew
N5ZE

Date: Thu, 05 Feb 2004 13:01:27 -0800
From: dave <dave@dpomeroy.com>
To: qrp-1@Lehigh.EDU
Subject: [167102] Power Supply Noise
Message-ID: <4022AF27.8080505@dpomeroy.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

I have a DSL modem and it appears that the PS generates lots of noise. The ps is from Everson Energy System. The numbers and letters on the PS are RSS, HSP, & 63118-1k. The voltage is +3.3 VDC at 2A, + & - 15 VDC at .06A, and 5VDC at .3A.
The DSL modem is a Fujitsu SpeedPort, DSL by ORCKIT. Anyone now of a replacement PS or a new modem? Thanks for any help in advance.
Dave Pomeroy K7DNP South East Washington

Date: Thu, 5 Feb 2004 13:40:21 -0800 (PST)
From: Shawn Qrp <shawnqrp@yahoo.com>
To: qrp-1@Lehigh.EDU

Subject: [167103] New QRPer and Pixie
Message-ID: <20040205214021.91250.qmail@web21405.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Greetings all

Complete novice here trying to get going on electronics, QRP, Amateur Radio, etc.

I just assembled a Pixie2 for 40 meters last night and don't think it's quite working. I have a few questions. I've scoured the web searching for help first and have found nothing to help.

As far as I can tell I am transmitting a signal. I am using a lightbulb as a dummyload and am able to get a signal on my Shortwave radio across the house.

My troubles some in two forms.

A. If I have the Pixie to near my Shortwave, even when key is up, I am getting constant signal on my radio (whine). My guess is that this is due to the fact that the Pixie Oscillator is always running, but only transmits through the antenna when key is down. Perhaps this is due to stray RF created near the Rig. Once I move out of the room, the signal during key up stops.

B. I have sound coming through my earphones but can hear no CW coming through. I am tuned to the same frequency on my shortwave and hear CW through the SW however, I don't hear the same signal through the Pixie. Some of the CW coming through the SW is fairly strong so I would assume the Pixie could pick it up. This audio sounds real up and down, a hiss that resembles what I'd think I could hear, but comes and goes loud and quiet, hope that is a good description.

I have joined a local ham club and have access to an oscilloscope (if i can figure out how to use it), I have a voltage meter.

Any assistance on where to go for direction would be GREATLY appreciated.

Thanks a ton

KC0RFC

Do you Yahoo!?

Yahoo! Finance: Get your refund fast by filing online.

<http://taxes.yahoo.com/filing.html>

Date: Thu, 5 Feb 2004 16:43:12 -0500

From: "Tom" <kf4yyd@adelphia.net>

To: "qrp-1" <qrp-1@lehigh.edu>

Subject: [167104] Transformer Rating

Message-ID: <EIEBLEILGEEGMLHGHOAGOEHFDDAA.kf4yyd@adelphia.net>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Hello,

I picked up some transformers awhile back to make a power supply and I'm not sure what the output rating means. The primary is 120v and the secondary is 24v 40 VA and I'm not sure how to relate that back to current. To get the current the transformer can source do you divide the 40 volt-amps into 120 and get 24 volt secondary at 3 amps?

73, de Tom kf4yyd Fredericksburg Virginia

IDHACWID* QRP Club #1

*I Don't Have A Clue What I'm Doing

Date: Thu, 5 Feb 2004 13:46:44 -0800

From: "john gabbard" <johngabbard@usintouch.com>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [167105] kd1jv freq. counter wanted

Message-ID: <001501c3ec31\$8cf9f550\$2b861c0c@john>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

kit or built unit will be OK....thanks john kf7om

Date: Thu, 05 Feb 2004 16:14:50 -0600
From: John Oppenheimer <john@KN5L.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [167106] Re: Transformer Rating
Message-ID: <4022C05A.3060800@KN5L.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Interesting question, which I always wondered myself. Look at the page,

<http://www.atc-frost.com/products/design/va.htm>

It is reverse then what you asked, but you should be able to figure from here. I was not aware of all of the issues with the ratings.

A close approximation is that the 24V 40VA transformer will, with a full wave bridge configuration, deliver about 28VDC at 1A. Check my math using the page above. (3.6 VA off)

John

Tom wrote:

> Hello,
>
> I picked up some transformers awhile back to make a power supply and I'm
> not sure what the output rating means. The primary is 120v and the secondary
> is 24v 40 VA and I'm not sure how to relate that back to current. To get the
> current the transformer can source do you divide the 40 volt-amps into 120
> and get 24 volt secondary at 3 amps?
>
>
> 73, de Tom kf4yyd Fredericksburg Virginia
>
> IDHACWID* QRP Club #1
>
> *I Don't Have A Clue What I'm Doing

Date: Thu, 5 Feb 2004 14:11:58 -0800

From: "Doug Hendricks" <ki6ds@dpol.net>
To: <qrp-l@Lehigh.EDU>
Subject: [167107] QRPTTF 2003 Results Lost
Message-ID: <061101c3ec35\$12d55ae0\$4a0b0d0a@dph.dpol.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

QRPers. The results for QRPTTF 2003 have been lost. It is my fault, and I apologize for the error which was mine, and mine alone. Our contest chairman sent them to me, and fulfilled her responsibility, I am the one who dropped the ball. I have tried to retrieve the information, but have not been able to do so. Therefore, the results of the 2003 QRPTTF will not be published.

The 2004 QRPTTF contest will be announced soon, and I promise to stay out of the loop on the results being published. The AmQRP Contest Chairman, Randy Foltz, will be in charge of seeing that the results are published on the web site and in the HOMEBREWER.

Again, I apologize for my error and any inconvenience that it may cause you.

72, Doug

Date: Thu, 05 Feb 2004 16:51:31 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L <qrp-l@lehigh.edu>, noga <nogaqrp@mailman.qth.net>,
 CW Reflector <cw@mailman.qth.net>
Subject: [167108] AUTEK Paddle
Message-ID: <6.0.1.1.2.20040205164947.01d63bd0@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I have an AUTEK paddle for sale. Very good condition, pictures available.
\$150 shipped CONUS.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Thu, 5 Feb 2004 16:52:11 -0600
From: "George, W5YR" <w5yr@att.net>
To: <kf4yyd@adelphia.net>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167109] Re: Transformer Rating
Message-ID: <01be01c3ec3a\$b193af10\$0401a8c0@PS>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tom, the rating in volt-amperes (VA) applies to the secondary winding.

If the voltage is 24 volts and the secondary can sustain a 40 VA load, then
the current associated with that VA level is $40/24 = 1.67$ amps.

Note that the transformer will consume more than 40 VA from the line supply
due to losses within the transformer.

73, George W5YR
w5yr@att.net

----- Original Message -----
From: "Tom" <kf4yyd@adelphia.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 05, 2004 3:43 PM
Subject: Transformer Rating

> Hello,
>
> I picked up some transformers awhile back to make a power supply and I'm
> not sure what the output rating means. The primary is 120v and the
secondary
> is 24v 40 VA and I'm not sure how to relate that back to current. To get
the
> current the transformer can source do you divide the 40 volt-amps into 120
> and get 24 volt secondary at 3 amps?
>
>
> 73, de Tom kf4yyd Fredericksburg Virginia
>
> IDHACWID* QRP Club #1
>
> *I Don't Have A Clue What I'm Doing
>
>

Date: Thu, 5 Feb 2004 17:56:55 -0500
From: "n3drk" <n3drk@triad.rr.com>
To: "Doug Hendricks" <ki6ds@dpol.net>,
"Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [167110] Re: QRPTTF 2003 Results Lost
Message-ID: <000701c3ec3b\$5b586090\$6400a8c0@n3drk>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You should consider resigning. We can give you your dues back.
73's
john

----- Original Message -----
From: "Doug Hendricks" <ki6ds@dpol.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Thursday, February 05, 2004 5:11 PM
Subject: QRPTTF 2003 Results Lost

> QRPers. The results for QRPTTF 2003 have been lost. It is my fault, and I
> apologize for the error which was mine, and mine alone. Our contest
> chairman sent them to me, and fulfilled her responsibility, I am the one
who
> dropped the ball. I have tried to retrieve the information, but have not
> been able to do so. Therefore, the results of the 2003 QRPTTF will not
be
> published.
>
> The 2004 QRPTTF contest will be announced soon, and I promise to stay out
of
> the loop on the results being published. The AmQRP Contest Chairman,
Randy
> Foltz, will be in charge of seeing that the results are published on the
web
> site and in the HOMEBREWER.
>
> Again, I apologize for my error and any inconvenience that it may cause
you.
>
> 72, Doug
>
>

Date: Thu, 5 Feb 2004 17:05:35 -0600
From: "Lew Paceley" <lew@paceley.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Cc: <shawnqrp@yahoo.com>, "Lew Paceley" <lew@paceley.com>
Subject: [167111] Re: New QRPer and Pixie
Message-ID: <005a01c3ec3c\$903fd080\$6501a8c0@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi Shawn,
Welcome to QRP! I've never built a Pixie but I read the schematic
once. :)

A. You're correct. The Pixie oscillator is always running. It acts
as the Beat Frequency Oscillator when you are key up so you can hear

other stations. It acts as the transmit oscillator on key down to generate a signal others can hear on their radios. The oscillator is not very powerful so any appreciable distance from the radio will cause the signal level to drop off quickly.

B. No signal/modulated noise could be due to a couple of things. There's not a lot of gain in the Pixie so you definitely need a good antenna and feedline. If the station that is transmitting is right on your local oscillator frequency you won't hear anything. To hear a station it needs to be slightly above or slightly below the local oscillator frequency. I'd recheck solder joints in the receive path and make sure all the components are in the right place first, if you haven't already. I'm not sure what DC power the Pixie uses but I'd also make sure you're getting the correct voltage level applied to the rig.

>From your description, it sounds like the product detector isn't working properly. As I vaguely remember signal detection is done through the power amp/output transistor so perhaps there's something you can find there that could give a hint.

The most straightforward way to confirm what's happening is to use a signal generator to pipe a low level signal straight into your antenna jack. See if someone at your ham club can help you do this. A great kit to help you solve problems like this is the VE3DNL marker generator available from the AMQRP club page. It's a "poor man's" signal generator and I use mine a lot for debugging these kinds of symptoms.

Shawn, although the Pixie is inexpensive, it's not a good first QRP radio. The Pixie puts out too little power and the receiver is just too simple to be more than a novelty. I would call it an expert's radio. Yes, it can make contacts but they are likely to be few and far between. My suggestion would be to spend just a little more money and get a Small Wonder Labs SW40+ and see if you can get a local Elmer to help you through the process of building it.

GL!!

72/73,
Lew
N5ZE

Date: Thu, 5 Feb 2004 17:08:42 -0600

From: "Craig Johnson" <cbjohns@cbjohns.com>
To: "Lew Paceley" <lew@paceley.com>,
"Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [167112] Re: Elmer 160: PIC-EL -- Manual, Section 11
Message-ID: <011901c3ec3c\$ffba2cd0\$6201a8c0@cbjp2>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Lew,

> Hi John,
> The voltage at TP-A (Vpgm) is determined by zener diode D5 and
> transistor Q3. If the 2N2222A programming voltage switch Q3 is
> slightly "on" this voltage could very well measure 11.5V. The nominal
> voltage should be about 12V at Vpgm/TP-A according to my schematic. I
> believe the manual is in error. Perhaps George or Craig can jump in
> and confirm.

I think you are correct - it will never be more than 12v because of the zener diode. It may be a bit less but I think that is due to the voltage drop across R6.

> I would double check to make sure R5 is 22K though. A smaller value
> might bias Q3 enough to switch on and drop Vpgm like you're seeing.
> Like mebbe 2.2K, for example ;-)

I'm not sure about this.

> Just finishing my PIC-EL up...GL!

Have fun, Lew.

72,
-Craig, AA0ZZ

Date: Thu, 05 Feb 2004 18:24:38 -0500
From: John Sielke <jsielke@pobox.com>
To: qrp-1@lehigh.edu
Subject: [167113] Re: QRPTTF 2003 Results Lost
Message-ID: <4022D0B6.8050902@pobox.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1; format=flowed
Content-Transfer-Encoding: 7bit

>
>
>You should consider resigning. We can give you your dues back.
>73's
>john
>

Somebody is going to think you're me! ;-)

Actually, I commend Doug for being forthright and honest and apologizing. If he had done so a few weeks ago AmQRP would not have lost a member.

John W2AGN

Date: Thu, 5 Feb 2004 15:34:14 -0800
From: "Lee Hopper" <leehopp@msn.com>
To: "Posting to the list QRP-L" <qrp-l@Lehigh.EDU>
Cc: <ki6ds@dpol.net>
Subject: [167114] Re: QRPTTF 2003 Results Lost
Message-ID: <BAY4-DAV4000F44GGgx000207f8@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Dude - with all you've done for the qrp community, you're completely forgiven - there's nothing to worry about - keep up the good work and go easy on the delete key...

73 -

Lee Hopper, NB7F
Portland, OR

Date: Thu, 5 Feb 2004 18:39:11 EST
From: Ke9xq@aol.com
To: qrp-l@lehigh.edu
Subject: [167115] RE Bounced mail, was Circuit board material
Message-ID: <18a.24fdfb11.2d542e1f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Sorry for the extra bandwidth here folks, but I've had 4 bounced e-mails from people requesting info etc., and they are bouncing my mail, so just to let you know. :)

73

End of QRP-L Digest 3187
